



IDS Form PTO/SB/08: Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/578,734
Filing Date	May 10, 2006
First Named Inventor	Lars LIDGREN
Art Unit	3733
Examiner Name	Jan Christop MERENE
Attorney Docket Number	02405.0285-00000

Sheet 1 of 8

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		2001/0012968	8/9/2001	Preissman	
		2001/0051670	12/13/2001	Goupil et al.	
		2002/0055143	5/9/2002	Bell et al.	
		2002/0076378	6/20/2002	Wolfe et al.	
		2003/0050702	3/13/2003	Berger	
		2003/0055512	3/20/2003	Genin et al.	
		2003/0161858	8/28/2003	Lidgren	
		2004/0049202	3/11/2004	Berger	
		2004/0151751	8/5/2004	Cooper	
		2004/0244651	12/9/2004	Lemaitre et al.	
		2005/0023171	2/3/2005	Delaney et al.	
		2005/0105385	5/19/2005	McGill et al.	
		2005/0119746	6/2/2005	Lidgren	
		2005/0128868	6/16/2005	Vries	
		2005/0241535	11/3/2005	Bohner	
		2005/0251149	11/10/2005	Wenz	
		2005/0257714	11/24/2005	Constanz et al.	
		2005/0287071	12/29/2005	Wenz	
		2006/0004358	1/5/2006	Serhan et al.	
		2006/0036211	2/16/2006	Solsberg et al.	
		2006/0041033	2/23/2006	Bisig et al.	
		2007/0041906	2/22/2007	Lindgren et al.	
		2007/0161943	7/12/2007	Lidgren et al.	
		2007/0217282	9/20/2007	Lidgren et al.	
		3,475,010	10/28/1969	Cook et al.	
		4,001,323	1/4/1977	Felder et al.	
		4,139,605	2/13/1979	Felder et al.	

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<i>Sheet</i>	2	of	8	<i>Attorney Docket Number</i>	02405.0285-00000

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		4,338,925	7/13/1982	Miller	
		4,348,377	9/7/1982	Felder et al.	
		4,487,766	12/11/1984	Mach	
		4,619,655	10/28/1986	Hanker et al.	
		4,676,655	6/30/1987	Handler	
		4,752,479	6/21/1988	Briggs et al.	
		4,994,442	2/19/1991	Gil et al.	
		5,073,362	12/17/1991	Blaszkievicz et al.	
		5,149,368	9/22/1992	Liu et al.	
		5,342,441	8/30/1994	Manadel et al.	
		5,360,823	11/1/1994	Griffel et al.	
		5,447,711	9/5/1995	Almen et al.	
		5,462,722	10/31/1995	Liu et al.	
		5,501,520	3/26/1996	Lidgren et al.	
		5,549,380	8/27/1996	Lidgren et al.	
		5,551,778	9/3/1996	Hauke et al.	
		5,614,206	3/25/1997	Randolph et al.	
		5,650,108	7/22/1997	Nies et al.	
		5,681,873	10/28/1997	Norton et al.	
		5,695,742	12/9/1997	Felder et al.	
		5,698,186	4/6/1999	Weeks	
		5,797,873	8/25/1998	Franz et al.	
		5,829,875	11/3/1998	Hagel et al.	
		5,866,100	2/2/1999	Tournier et al.	
		5,871,549	2/16/1999	Jayashankar et al.	
		5,891,423	4/6/1999	Weeks	
		5,965,772	10/12/1999	Desantis	
		6,018,095	1/25/2000	Lerch et al.	

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		Number-Kind Code <i>(if known)</i>			
		6,071,982	6/6/2000	Wise et al.	
		6,075,067	6/13/2000	Lidgren	
		6,080,801	6/27/2000	Draenert et al.	
		6,206,957	3/27/2001	Driessens et al.	
		6,231,615	5/15/2001	Preissman	
		6,251,139	6/26/2001	Lin et al.	
		6,309,420	10/30/2001	Preissman	
		6,431,743	8/13/2002	Mizutani et al.	
		6,488,651	12/3/2002	Morris et al.	
		6,586,009	7/1/2003	Lidgren	
		6,596,904	7/22/2003	Dunn et al.	
		6,689,375	2/10/2004	Wahlig et al.	
		6,706,069	3/16/2004	Berger	
		6,723,334	4/20/2004	McGee et al.	
		6,736,537	5/18/2004	Coffeen et al.	
		6,897,339	5/24/2005	Turchetta et al.	
		7,160,306	1/9/2007	Matsuzaki et al.	
		7,417,077	8/26/2008	Lidgren et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
		Country Code Number Kind Code <i>(if known)</i>				
		DE 44 09 610 A1	9/28/1995	MIT AB		Equiv.
		EP 0 023 992 A1	2/18/1981	Bracco Industria Chimica		Equiv.
		EP 0 109 310 B1	5/23/1984	Ethicon Inc.		
		EP 0 308 364 A2	3/22/1989	Schering Aktiengesellschaft		Equiv.
		EP 0 495 284 A1	7/22/1992	Osteotech, Inc.		

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Sheet	4	of	8	Attorney Docket Number	02405.0285-00000

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		Country Code Number Kind Code (if known)				
		EP 0 520 690 B1	11/2/1995	Nitta Gelatin Inc.		
		EP 0 639 382 A1	2/22/1995	MIT Pharmaca AB		
		EP 0 639 382 B1	2/22/1995	Coripharm GmbH & Co.		
		EP 0 657 208 A1	6/14/1995	Allo Pro AG		Abstract
		EP 0 807 432 B1	11/19/1997	Corimed Kundernorientierte Medizinprodukte GmbH		Derwent Abst.
		EP 0 950 420 A2	10/20/1999	Merck Patent GmbH		Equiv.
		EP 1 155 704 A1	11/21/2001	Lin et al.		
		ES 2 178 556	12/16/2002	Univ. Politecnica de Catalunya		Yes
		ES 1 155 704				
		GB 2 239 818 A	7/17/1991	Tecres SpA		
		JP 1-139516	6/1/1989	Tokuyama Soda KK		Yes
		JP 6-84289	6/3/1994	Fujitsu Ltd.		Yes
		SE 8903538	4/26/1991	Bioapatite AB		Yes
		WO 00/02597 A1	1/20/2000	GS Development AB		
		WO 00/45867 A1	8/10/2000	Mathys Robert Stiftung; Stratec Medial AG		
		WO 01/34216 A1	5/17/2001	Coripharm Medizinprodukte GmbH & Co. KG		Abstract
		WO 02/05861 A1	1/24/2002	Bone Support AB		
		WO 03/041753 A1	5/22/2003	Ecoe Polytechnique Federale De Lausanne (EPFL)		Abstract
		WO 03/053488 A1	7/3/2003	Bone Support AB		
		WO 99/65597 A1	12/23/1999	Orthofix Ltd.		
		WO 2004/000374 A1	12/31/2003	Dr. H.C.Robert Mathys Stiftung		
		WO 2004/002615 A1	1/8/2004	Mentorkraft		

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Sheet	5	of	8	Attorney Docket Number	02405.0285-00000

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		WO 2004/026377 A1	4/1/2004	Kyphon Inc.	

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		Country Code Number Kind Code (if known)				
		WO 2006/041365 A1	4/20/2006	DOXA AB.		
		WO 85/01727 A1	4/25/1985	Biophysical Foundation		
		WO 87/05521 A1	9/24/1987	University of Medicine and Dentistry of New Jersey		
		WO 89/03695 A1	5/5/1989	Nordisk Gentofte A/S		
		WO 91/00252 A1	1/10/1991	U.S. Gypsum Co.		
		WO 91/17722 A1	11/28/1991	Lifecore Biomedical, Inc.		
		WO 96/39202 A1	12/12/1996	Osteogenics Inc.		
		WO 97/47334 A1	12/18/1997	Bioland		Abstract
		WO 99/17710 A1	4/15/1999	Dr. H.C.Robert Mathys Stiftung		
		WO 99/62570 A1	12/9/1999	Bone Support AB		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		"Powder (substance)" entry from <<http://en.wikipedia.org/wiki/Powder_(substance)>> (last visited December 1, 2008)(4 pgs.).	
		BOHNER et al., "Effects of Sulfate Ions on the in Vitro Properties of β -TCP - MCPM-Water Mixtures. Preliminary In Vivo Results," Bioceramics: Materials and Applications, Ceramic Transactions, Vol. 48 (1995), pp. 245-259.	
		BOHNER, "New hydraulic cements based on α - tricalcium phosphate-calcium sulfate dihydrate mixtures," Biomaterials (2004) 25, 741-749.	
		CABANAS, "Setting Behavior and in Vitro Bioactivity of Hydroxyapatite/Calcium Sulfate Cements," Chem. Mater. (2002) 14, 3550-3555.	
		Database Derwent WPI: Week 198928, Derwent Publications Ltd., JP 1139516.	

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Sheet	6	of	8	<i>Attorney Docket Number</i>	02405.0285-00000

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NON PATENT LITERATURE DOCUMENTS			
		Database Derwent WPI: Week 199126, Derwent Publications Ltd., SE 8903538.	
		Database Derwent WPI: Week 199433, Derwent Publications Ltd., London, GB: Class A 96, AN 1994-269325 & JP 61-99623 A (Lion Corp. et al.), 19 July 1994.	
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		Database Derwent WPI: Week 200138, Derwent Publications Ltd., WO 2001/34216 A1.	
		Database Derwent WPI: Week 199734, Derwent Publications Ltd., EP 0807432 B1.	
		English-Language Abstract of EP 0 657 208 A1	
		English-Language translation of JP 1-139516.	
		English-language translation of SE 8903538, "Implant material and method for the manufacture thereof," Bioapatite AB	
		ENGQVIST et al., "Chemical Stability of a Novel Injectable Bioceramic for Stabilisation of Vertebral Compression Fractures," Trends Biomater. Artif. Organs (2008) 21(2):98-106.	
		IMA-NIRWANA et al., "Palm vitamin E improves bone metabolism and survival rate in thyrotoxic rats," Gen. Pharmacol. (1999) 32:621-626.	
		International Preliminary Examination Report for PCT/SE01/00789 dated January 11, 2002, related to Application No. 10/257,561.	
		International Preliminary Examination Report for PCT/SE01/01627 dated October 14, 2002, related to Application No. 10/333,026.	
		International Preliminary Examination Report for PCT/SE02/02428 dated March 16, 2004, related to Application No. 10/499,023.	
		International Preliminary Examination Report for PCT/SE2004/000328 dated August 30, 2005, related to Application No. 10/547,671.	
		International Preliminary Report on Patentability for PCT/SE2004/001626 dated February 13, 2006.	
		International Preliminary Report on Patentability for PCT/SE2005/000932 dated December 28, 2006.	
		International Search Report for PCT/SE01/00789 dated July 9, 2001, related to Application No. 10/257,561.	
		International Search Report for PCT/SE01/01627 dated December 18, 2001, related to Application No. 10/333,026.	
		International Search Report for PCT/SE02/02428 dated April 4, 2003, related to Application No. 10/499,023.	
		International Search Report for PCT/SE2004/000328 dated June 8, 2004, related to Application No. 10/547,671.	
		International Search Report for PCT/SE2004/001626 dated February 28, 2005.	

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		MIRTCCHI et al., "Calcium phosphate cements: action of setting regulators on the properties of the β -tricalcium phosphate-monocalcium phosphate cements," Biomaterials (1989), 10(9), pp 634-638.	
		International Search Report for PCT/SE2005/000932 dated October 10, 2005.	
		KOMATH et al., "On the development of an apatic calcium phosphate bone cement," Bull. Mater. Sci (2000) 23(2):135-140.	
		Machine Translation of JP 1139516 (HO6(1994)-0842898) from http://www4.ipdl.inpit.go.jp/Tokujitu/tisogodbenk.ipdl , last viewed on January 22, 2009.	
		NILSSON et al., "Biodegradation and biocompatibility of a calcium sulphate-hydroxyapatite bone substitute," J. of Bone & Joint Surgery (Br) (2004) 86-B:120-125.	
		NILSSON et al., "Characterization of a novel calcium phosphate/sulphate bone cement," J. Biomedical Materials Research (2002) 61(4), 600-607.	
		NILSSON et al., "New Perspectives of Bioactives Calcium Phosphate Cements for Biomedical Applications," Research Centre in Biomedical Engineering, Dept. of Material Science and Metallurgy, Universitat Politecnica de Catalunya, Avda, Diagonal 647k Barcelona, E-08028, Spain, pp. 95-99, November 2000.	
		Notice of Allowance dated April 25, 2008 in related Application No. 10/333,026.	
		Office Action dated July 2, 2008 in related Application No. 10/257,561.	
		Office Action dated July 22, 2008 in related Application No. 10/499,023.	
		Office Action dated March 21, 2006 in related Application No. 10/333,026.	
		Office Action dated March 28, 2007 in related Application No. 10/257,561.	
		Office Action dated October 10, 2007 in related Application No. 10/333,026.	
		Office Action dated October 15, 2007 in related Application No. 10/257,561	
		Office Action dated October 31, 2006 in related Application No. 10/333,026.	
		Office Action dated October 4, 2007 in related Application No. 10/499,023.	
		Office Action dated September 5, 2006 in related Application No. 10/257,561.	
		Copending Application No. 10/257,561 (Attorney Docket No. 02405.0277-00000; U.S. Pat. Pub. No. 2003/0161858), filed October 11, 2002.	
		Copending Application No. 10/333,026 (Attorney Docket No. 02405.0271-00000), filed January 15, 2003 and issued August 26, 2008 as U.S. Patent No. 7,417,077.	
		Copending Application No. 10/499,023 (Attorney Docket No. 02405.0272-00000; U.S. Pat. Pub. No. 2005/0119746), filed June 18, 2004.	
		Copending Application No. 10/547,671 (Attorney Docket No. 02405.0273-00000; U.S. Pat. Pub. No. 2007/0041906), filed September 2, 2005.	
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		Copending Application No. 11/587,313 (Atty. Dkt. No. 02405.0286-00000, U.S. Pat. Pub. No. 2007/0217282), filed October 23, 2006.	
		Copending Application No. 12/122,873 (Attorney Docket No. 02405.0271-01000), filed May 19, 2008.	
		Copending Application No. 12/219,542 (Attorney Docket No. 02405.0271-02000), filed July 23, 2008.	
		Copending Application No. 12/219,543 (Attorney Docket No. 02405.0271-03000), filed July 23, 2008.	
		Written Opinion of the International Searching Authority for PCT/SE2004/001626 dated February 28, 2005.	
		Written Opinion of the International Searching Authority for PCT/SE2005/000932 dated October 10, 2005.	
		Cahn, R.W., ed. <i>Materials Science and Technology: A Comprehensive Treatment</i> , 1992, Vol. 14, VCH, Weinheim, pp. 70-109.	
		Elliott, J. C. "Chapter 1: General Chemistry of the Calcium Orthophosphates," in <i>Structure and Chemistry of the Apatites and Other Calcium Orthophosphates</i> , 1994, Elsevier: Netherlands.	
		English-language translation of ES 2 178 556 A1, "Calcium sulfate cement capable of controlled biodegradation."	

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